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› [DAKASON](#) /

› [DAKASON 240W LED Parking Lot Light Instruction Manual \(Model 723849626940\)](#)

DAKASON 723849626940

DAKASON 240W LED Parking Lot Light Instruction Manual

Model: 723849626940

1. INTRODUCTION

Thank you for choosing the DAKASON 240W LED Parking Lot Light. This high-performance outdoor lighting fixture is designed to provide exceptional illumination and energy efficiency for various commercial and residential applications. With its robust construction, adjustable mounting options, and intelligent dusk-to-dawn photocell, this light offers reliable and convenient lighting solutions.

This manual provides detailed instructions for the safe installation, operation, and maintenance of your DAKASON LED Parking Lot Light. Please read this manual thoroughly before installation and retain it for future reference.

2. SAFETY INFORMATION

- **WARNING:** Risk of electric shock. Disconnect power before installation or servicing.
- Installation must be performed by a qualified electrician in accordance with national and local electrical codes.
- Ensure the supply voltage is compatible with the fixture's requirements (100-277Vac).
- Do not operate the fixture with damaged wiring or components.
- Avoid direct eye exposure to the light source when the fixture is powered on.
- Ensure the mounting surface is structurally sound to support the weight of the fixture.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before proceeding with installation:

- DAKASON LED Parking Lot Light Fixture
- Adjustable Arm & Slip Fitter Mount
- Dusk-to-Dawn Photocell Sensor

- Mounting Screws and Washers
- Wire Nuts (3)
- Allen Wrench
- Waterproof Sticker
- Instruction Manual

Figure 3.1: Unboxing the DAKASON LED Parking Lot Light, revealing the main fixture, adjustable mount, photocell sensor, and various accessories.

Video 3.1: This video demonstrates the unboxing process and highlights the various components included with the 200W Parking Lot Light, including the trunnion mount.

4. PRODUCT OVERVIEW

The DAKASON LED Parking Lot Light is engineered for durability and high performance, featuring:

- **High-Efficiency SMD3030 LEDs:** Delivers up to 150 lumens per watt, providing 36000 lumens at 240W.
- **Sturdy Aluminum Shell:** Die-cast aluminum housing ensures excellent heat dissipation and long-term durability.
- **Photocell Sensor:** Integrated dusk-to-dawn sensor for automatic operation, turning the light ON at dusk and OFF at dawn.
- **Enclosed Durable PC Lens:** Dust-proof and moisture-proof design for enhanced protection.
- **Power Selectable:** Offers 3 power options (240W, 200W, 150W) adjustable via a toggle switch.
- **Adjustable Arm & Slip Fitter:** Versatile mounting bracket suitable for square poles, round poles, and wall mounts, with 0-180 degree adjustability.
- **IP65 Waterproof Rating:** Designed to withstand harsh outdoor weather conditions, including rain and storms.
- **ETL Listed:** Ensures compliance with safety and performance standards.

High-Efficiency SMD3030 LEDs

Up to 150lm/w



Figure 4.1: Key features of the DAKASON LED Parking Lot Light, including its high-efficiency LEDs, robust aluminum housing, integrated photocell, and durable PC lens.

IP65 Waterproof

Withstand Outdoor Rains and Storms



Figure 4.2: The IP65 waterproof rating ensures the DAKASON LED Parking Lot Light can withstand outdoor rain and storms, as shown in this outdoor installation example.

Video 4.1: This video showcases the 200W LED outdoor parking flood light in various settings, demonstrating its brightness and coverage.

Video 4.2: A short video highlighting the super bright illumination and waterproof features of the LED Parking Lot Light.

5. SETUP AND INSTALLATION

Follow these steps for proper installation of your DAKASON LED Parking Lot Light. Ensure power is disconnected before beginning.

5.1 Mounting Options

The fixture comes with an adjustable arm and slip fitter mount, allowing for installation on square poles, round poles, or directly on a wall.

- 1. Disassemble Mounting Bracket:** Use the provided Allen wrench to loosen the bolt on the adjustable arm and separate the mounting bracket components. This facilitates easier wiring.
- 2. Install Photocell Sensor:** Insert the dusk-to-dawn photocell sensor into its designated socket on the fixture.

Turn it to the left to tighten and secure it.

3. **Pass Hardwire:** Thread the fixture's hardwire through the appropriate hole in the mounting bracket.
4. **Attach Bracket Half:** Slide the upper half of the bracket into the installation slot on the fixture and secure it with screws.
5. **Complete Bracket Assembly:** Insert the hardwire into the second part of the bracket and reassemble the adjustable arm.
6. **Adjust Angle:** Adjust the light fixture to your desired angle (0-180 degrees) and firmly tighten the thumb screw to fix its position.



Figure 5.1: The versatile adjustable arm and slip fitter mount allows for installation on various surfaces, including square poles, round poles, and walls, with 180-degree adjustability.

Video 5.1: This video provides a step-by-step guide on how to install the parking light, including disassembling the bracket, installing the photocell, and passing the hardwire.

5.2 Electrical Wiring

Connect the fixture's wires to your main power supply using the provided wire nuts:

- **Black Wire:** Connect to the Live (L) wire of your power supply.

- **White Wire:** Connect to the Neutral (N) wire of your power supply.
- **Green Wire:** Connect to the Ground (G) wire of your power supply.

Ensure all connections are secure and properly insulated. Restore power once installation is complete.

6. OPERATING INSTRUCTIONS

6.1 Dusk-to-Dawn Photocell

The integrated photocell sensor automatically detects ambient light levels. The fixture will turn ON when it gets dark and turn OFF when daylight returns. There is a slight delay to prevent false triggers from temporary light changes.

To Bypass Photocell: If automatic operation is not desired, you can cover the photocell sensor with the included shorting cap to disable this function.



Figure 6.1: The photocell sensor enables automatic dusk-to-dawn operation. It can be easily disabled by covering it with the provided shorting cap.

6.2 Power Selectable Feature

This fixture allows you to select between three power output levels: 240W, 200W, and 150W. Locate the toggle switch on the side of the housing and select your desired brightness before final installation or as needed.

POWER SELECTABLE



150W - 200W - 240W



Figure 6.2: The power selectable feature allows users to choose between 150W, 200W, and 240W settings to adjust brightness according to specific needs.

6.3 Dimmable Functionality

The light supports 0-10V dimming, enabling brightness adjustment from 5% to 100% when connected to a compatible 0-10V dimmer (not included).

7. MAINTENANCE

To ensure optimal performance and longevity of your DAKASON LED Parking Lot Light, perform the following maintenance tasks:

- **Cleaning:** Periodically clean the lens and housing with a soft, damp cloth to remove dirt, dust, and debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the mounting hardware and electrical connections for any signs of loosening, corrosion, or damage. Tighten any loose screws and replace damaged components immediately.

- **Photocell:** Ensure the photocell sensor is clear of obstructions (e.g., leaves, dirt) that could interfere with its operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn ON at dusk.	No power supply; Faulty photocell; Photocell obstructed.	Check power connections and circuit breaker; Ensure photocell is clear; Test photocell operation or bypass it.
Light does not turn OFF at dawn.	Faulty photocell; Photocell covered by shorting cap.	Ensure photocell is not covered by the shorting cap (unless intended); Test photocell operation.
Light is not bright enough.	Power selectable switch set to lower wattage; Dimmer setting too low.	Adjust power selectable switch to a higher wattage; Adjust 0-10V dimmer to increase brightness.
Light flickers.	Unstable power supply; Loose wiring connection.	Check power supply stability; Inspect and secure all wiring connections.

9. SPECIFICATIONS

Feature	Detail
Model Number	723849626940
Brand	DAKASON
Wattage	240W (selectable to 200W, 150W)
Lumen Output	36000LM (at 240W)
Efficacy	150LM/W
Color Temperature	5000K Daylight
Voltage	100-277Vac
Dimmable	0-10V (5%-100%)
Waterproof Rating	IP65
Lifespan	Over 50,000 hours
Certifications	ETL Listed
Product Dimensions	35.94 x 30.02 x 6.55 cm; 5.56 kg
Color	Bronze

Feature	Detail
Material	Aluminum

10. WARRANTY AND SUPPORT

The DAKASON 240W LED Parking Lot Light is backed by a **5-year warranty**, ensuring quality and reliability. For warranty claims, technical assistance, or any product-related inquiries, please contact the seller directly through your purchase platform.